

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A multi-media communication management system for operation with a plurality of subscriber stations,

each subscriber station comprising:

a docking interface for communicating with a subscriber's portable computing at least one of which serves a subscriber device, when such portable computing device is coupled to the docking interface by the subscriber;

a telephony user interface generating an incoming telephone call signal to signal the subscriber upon remote initiation of an audio session and providing audio input and output for supporting the audio session;

the multi-media communication management system comprising:

~~a network communication circuit for multi-media communication with said plurality of subscriber stations;~~

~~a service provider interface for multi-media communication with a communication originating device over a service provider communication medium;~~

a communication gateway coupled to the network communication circuit, the communication gateway and the service provider interface comprising:

means for receiving, from a the communication originating device, an a first audio session initiation signal, the audio session initiation signal including a subscriber identification uniquely associated with identifying a subscriber; to which the audio session initiating signal is to be directed,

means for identifying a terminating which of the plurality of subscriber telephony station, the terminating subscriber telephony station being the one of the plurality of subscriber stations to which a portable device that includes a subscriber device ID that associates with the subscriber identification is then currently coupled, stations is presently serving a subscriber device that is associated with the identified subscriber, and

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means for initiating an audio session between the originating device and the terminating subscriber telephony station for audio input and output of the audio session by the user interface of such terminating subscriber telephony station. ~~providing a second audio session initiation signal to the identified subscriber station via the network communication circuit.~~

2. (Currently Amended) The multi-media communication management system of claim 1, wherein the audio session initiation signal is a telephony network call set up signal to a DID telephone number, the DID telephone number being the subscriber identification uniquely associated with a subscriber. ~~the communication gateway further comprises:~~

~~_____ means for receiving an open session signal from the subscriber station in response to the second audio session initiation signal;~~

~~_____ means for establishing a first communication channel with the originating device;~~

~~_____ means for establishing a second communication channel with the subscriber station in response to the open session signal; and~~

~~_____ means for relaying audio communication data between the first communication channel and the second communication channel for the duration of the audio session.~~

3. (Canceled)

4. (Currently Amended) The multi-media communication management system of claim 2, 4, wherein the communication gateway further comprises:

means for, in response to determining that the terminating subscriber telephony station already has an open communication session, opening an audio session establishing a first communication channel with the originating device and recording an audio message received from the originating device through the audio session. ; and

~~_____ means for recording an audio message received on the first communication channel if an open session signal is not received from the subscriber station during a~~

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~~time period following when the second audio session initiation signal was provided to the subscriber station.~~

5. (Canceled)

6. (Currently Amended) A multi-media communication management system for operation with a plurality of subscriber stations,

each subscriber station comprising:

a docking interface for communicating with a subscriber's portable at least one of which serves a subscriber device when such portable device is coupled to the docking interface by the subscriber;

a telephony user interface generating an incoming telephone call signal to signal the subscriber upon remote initiation of an audio session and providing audio input and output for supporting the audio session;

the multi-media communication management system comprising:

~~a network communication circuit for multi-media communication with said plurality of subscriber stations;~~

~~— a service provider interface for multi-media communication with a communication originating device over a service provider communication medium;~~

a communication gateway coupled to the network communication circuit, the communication gateway and the service provider interface comprising:

means for receiving, from a the communication originating device, an a first audio session initiation signal, the audio session initiation signal including a subscriber identification uniquely associated with identifying a subscriber; and to which the audio session initiating signal is to be directed;

means for, in response to determining that the subscriber's portable device is not coupled to a docking interface of a subscriber station, opening an audio session a first communication channel with the originating device and recording an audio message received from the originating device through the audio session.

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~~_____ means for identifying whether the identified subscriber station is then currently serving a subscriber device that is associated with the identified subscriber;~~

~~_____ means for recording an audio message received on the first communication channel if the subscriber device that is associated with the subscriber identifier is not served by the identified subscriber station.~~

7. (Currently Amended) A multi-media communication management system for operation with a plurality of subscriber stations,

each subscriber station comprising:

_____ a docking interface for communicating with a subscriber's portable at least one of which serves a subscriber device when such portable device is coupled to the docking interface by the subscriber;

_____ a telephony user interface generating an incoming telephone call signal to signal the subscriber upon remote initiation of an audio session and providing audio input and output for supporting the audio session;

_____ the multi-media communication management system comprising:

_____ a network communication circuit for multi-media communication with said plurality of subscriber stations;

_____ a service provider interface for multi-media communication with an originating device over a service provider communication medium

_____ a session control server coupled to the network communication circuit and comprising:

_____ means for receiving a message from a subscriber station identifying which of a plurality of subscriber portable devices is then currently coupled to the docking interface of served by the subscriber station;

_____ means for recording, in a location table, an association between the subscriber and the subscriber station to which the subscriber's portable device is then currently coupled; that the identified subscriber device is served by the subscriber station in a location table; and

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a communication gateway coupled to the network communication circuit and ~~the service provider interface~~ comprising:

means for receiving, from a communication ~~the~~ originating device, an ~~a~~ audio session initiation signal, the audio session initiation signal including a subscriber identification uniquely associated with a subscriber; ~~identifying a subscriber to which the audio session initiating signal is to be directed;~~

means for querying the location table to identify a terminating subscriber telephony station, the terminating subscriber telephony station being the subscriber station associated with the subscriber in the location table; ~~which of a plurality of subscriber stations is currently serving a subscriber device that is associated with the subscriber identifier;~~ and

means for initiating an audio session between the originating device and the terminating subscriber telephony station for audio input and output of the audio session by the user interface of such terminating subscriber telephony station. ~~providing a second audio session initiation signal to the identified subscriber station via the network communication circuit.~~

8. (Currently Amended) The multi-media communication management system of claim 7, wherein the session control server further comprises:

means for receiving a message from a subscriber station indicating that the subscriber portable device coupled to its docking interface has been removed; and ~~identified subscriber device is no longer served by the subscriber station;~~

means for recording in the location table, a dissociation between the subscriber station and the subscriber. ~~that the identified subscriber device is not served by a subscriber station in the location table;~~

9. (Currently Amended) The multi-media communication management system of claim 8, wherein the audio session initiation signal is a telephony network call set up signal to a DID telephone number, the DID telephone number being the subscriber identification uniquely associated with a subscriber. ~~the communication gateway~~

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further comprises:

~~—— means for receiving an open session signal from the subscriber station in response to the second audio session initiation signal; and~~

~~—— means for establishing a first communication channel with the originating device and establishing a second communication channel with the subscriber station in response to the open session signal; and~~

~~—— means for relaying audio communication data between the first communication channel and the second communication channel for the duration of the audio session.~~

Claims 10 and 11 (Canceled)

12. (Currently Amended) The multi-media communication management system of claim 9, ~~8~~, wherein the communication gateway further comprises:

means for, in response to determining that the terminating subscriber telephony station already has an open communication session, opening an audio session establishing a first communication channel with the originating device and recording an audio message received from the originating device through the audio session. ; and

~~—— means for recording an audio message received on the first communication channel if an open session signal is not received from the subscriber station during a time period following when the second audio session initiation signal was provided to the subscriber station.~~

13. (Currently Amended) A method of providing audio communication routing to a subscriber in a multi-media communication management system comprising a plurality of subscriber stations,

each subscriber station comprising:

a docking interface for communicating with a subscriber's portable at least one of which serves a subscriber device when such portable device is coupled to the docking interface by the subscriber;

a telephony user interface generating an incoming telephone call signal

to signal the subscriber upon remote initiation of an audio session and providing audio input and output for supporting the audio session;

the method comprising the steps of:

receiving, from a communication originating device, an a first audio session initiation signal, the audio session initiation signal including a subscriber identification uniquely associated with a subscriber; ~~that identifies a subscriber to whom the audio session initiating signal is to be directed, from an originating device over a service provider communication medium;~~

identifying a terminating subscriber telephony station, the terminating subscriber telephony station being the one of the plurality of subscriber stations to which a portable device that includes a subscriber device ID that associates with the subscriber identification is then currently coupled, ~~which of the plurality of subscriber stations is currently serving a subscriber device that is associated with the subscriber;~~

initiating an audio session between the originating device and the terminating subscriber telephony station for audio input and output of the audio session by the user interface of such terminating subscriber telephony station. ~~providing a second audio session initiation signal to the identified subscriber station via the network communication circuit.~~

14. (Currently Amended) The method of claim 13, wherein the audio session initiation signal is a telephony network call set up signal to a DID telephone number, the DID telephone number being the subscriber identification uniquely associated with a subscriber. ~~further comprising:~~

~~—— receiving an open session signal form the identified subscriber station in response to the second audio session initiation signal;~~

~~—— establishing a first communication channel with the originating device;~~

~~—— establishing a second communication channel with the identified subscriber station in response to the open session signal; and~~

~~—— relaying audio communication data between the first communication channel~~

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~~and the second communication channel for the duration of the audio session.~~

15. (Canceled).

16. (Currently Amended) The method of claim 14, 13, further comprising:

in response to determining that the terminating subscriber telephony station already has an open communication session, opening an audio session establishing a first communication channel with the originating device and recording an audio message received from the originating device through the audio session. ; and
~~— recording an audio message received on the first communication channel if an open session signal is not received from the subscriber station during a time period following when the second audio session initiation signal was provided to the subscriber station.~~

17. (Canceled)

18. (Currently Amended) A method of providing audio communication routing to a subscriber in a multi-media communication management system comprising a plurality of subscriber stations,

each subscriber station comprising:

a docking interface for communicating with a subscriber's portable at least one of which serves a subscriber device when such portable device is coupled to the docking interface by the subscriber;

a telephony user interface generating an incoming telephone call signal to signal the subscriber upon remote initiation of an audio session and providing audio input and output for supporting the audio session;

the method comprising:

receiving, from a communicating originating device, an a first audio session initiation signal, the audio session initiation signal including a subscriber identification uniquely associated with that identifies a subscriber; and , to whom the

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~~audio session initiating signal is to be directed, from an originating device over a service provider communication medium;~~

~~in response to determining that the subscriber's portable device is not coupled to a subscriber station, opening an audio session a first communication channel with the originating device and recording an audio message received from the originating device through the audio session. identifying whether the identified subscriber station is presently serving a subscriber device that is associated with the identified subscriber station; and~~

~~recording an audio message received on the first communication channel. if the subscriber device that is associated with the identified subscriber is not served by a subscriber station.~~

19. (Currently Amended) A method of providing audio communication routing to a subscriber in a multi-media communication management system comprising a plurality of subscriber stations,

each subscriber station comprising:

a docking interface for communicating with a subscriber's portable at least one of which serves a subscriber device when such portable device is coupled to the docking interface by the subscriber;

a telephony user interface generating an incoming telephone call signal to signal the subscriber upon remote initiation of an audio session and providing audio input and output for supporting the audio session;

the method comprising:

receiving a message from a subscriber station identifying which of a plurality of subscriber portable devices is then currently coupled to the docking interface of ~~served by~~ the subscriber station;

recording, in a location table, an association between the subscriber and the subscriber station to which the subscriber's portable device is then currently coupled; ~~that the identified subscriber device is served by the subscriber station in a location table;~~

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~~receiving, from a communication originating device, an a first audio session initiation signal, the audio session initiating signal including a subscriber identification uniquely associated with a subscriber; that identifies a subscriber, to whom the audio session initiating signal is to be directed, from an originating device over a service provider communication medium;~~

~~querying the location table to identify a terminating subscriber telephony station, the terminating subscriber telephony station being the subscriber station associated with the subscriber in the location table; which of the plurality of subscriber stations is currently serving a subscriber device that is associated with the identified subscriber; and~~

~~initiating an audio session between the originating device and the terminating subscriber telephony station for audio input and output of the audio session by the user interface of such terminating subscriber station. means for providing a second audio session initiation signal to the identified subscriber station via the network communication circuit.~~

20. (Currently Amended) The method of claim 19, further comprising:

~~receiving a message from a subscriber station indicating that the subscriber portable device coupled to its docking interface has been removed; identified subscriber device is no longer served by the subscriber station; and~~

~~recording in the location table, a dissociation between the subscriber station and the subscriber. that the identified subscriber device is not served by a subscriber station in the location table.~~

21. (Currently Amended) The method of claim 20, wherein the audio session initiation signal is a telephony network call set up signal to a DID telephone number, the DID telephone number being the subscriber identification uniquely associated with a subscriber. further comprising:

~~receiving an open session signal form the subscriber station in response to the second audio session initiation signal; and~~

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~~— establishing a first communication channel with the originating device;~~
~~— establishing a second communication channel with the subscriber station in response to the open session signal; and~~
~~— relaying audio communication data between the first communication channel and the second communication channel for the duration of the audio session.~~

22. (Currently Amended) The method of claim 21, 20, further comprising:

in response to determining that the terminating subscriber telephony station already has an open communication session, opening an audio session establishing a first communication channel with the originating device and recording an audio message received from the originating device through the audio session. ; and

~~— recording an audio message received on the first communication channel if an audio session is already open between the gateway and the subscriber station.~~

Claims 23 and 24 (Canceled)

25. (New Claim) The multi-media communication management system of claim 1, wherein the means for identifying a terminating subscriber telephony station comprises means for receiving, via the network communication circuit from the terminating subscriber telephony station, the subscriber device ID of the subscriber portable device that is then currently coupled to the terminating subscriber telephony station.

26. (New Claim) The method of claim 13, wherein the step of identifying a terminating subscriber telephony station comprises receiving, via the network communication circuit from the terminating subscriber telephony station, the subscriber device ID of the subscriber portable device that is then currently coupled to the terminating subscriber telephony station.